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SOURCE Referativny Zhurnal--Geologiya-Geografiya

REVIEW OF FIRST EIGHT ISSUES OF "REFERATIVNY ZHURNAL--GEOLOGIYA-GEOGRAFIYA"

A. General Information

The Referativny Zhurnal--Geologiya-Geografiya is published by the Institute of Scientific Information, Academy of Sciences USSR. The editors are A. P. Lebedev (chief), I. I. Parkhomenko (secretary), and A. G. Betekhan, S. Yu. Celler, B. M. Keller, V. V. Pokshishevskiy, and F. V. Chukhrov (heads of sections). The address is Moscow D-219, Balticheskiy Poselok, 42B, INI AN SSSR.

The journal has 48 abstractors (given in B, below). As indicated by the names, 13 of the 48 abstractors are women; also, some of those with non-Russian names may be women. Much of the translation of technical literature done in the USSR is by women, usually under the supervision of a male technical editor.

The value of the geology-geography series of the Referativny Zhurnal is that, besides abstracting the familiar, available journals, it abstracts many USSR journals not known to be available outside the USSR. (See C, below, for a list of 100.) Only about 150 periodicals in all scientific and technical fields are available from the USSR, whereas the approximately 5,000 USSR scientific institutions issue about 2,000 publications, mostly irregular serials called "trudy" (works or proceedings).

The geology-geography series should be effective in keeping Soviet scientists informed of Western developments, and should somewhat decrease their dependence on Western abstract journals, since all the important Western journals in the fields of geology and geography are fully abstracted in the series.

Each issue of the series contains 1,000-1,500 abstracts, which thoroughly cover the periodical and monographic literature in geology and geography of the USSR, Satellites and, the West. Except for the unavailable Soviet publications, the sources are familiar and accessible. Among the abstracts are a large number of Chinese-language articles published in familiar and accessible sources. Since each abstract gives the title of the original article and author's name, in Chinese characters, the abstracts are valuable as a source of new and difficult Chinese technical terms with their Russian equivalents, which can then be more conveniently rendered in English than from the Chinese.

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The geology and geography series covers a rather large number of subjects, such as prospecting, weather, travels, etc.; therefore, it is not as thorough in any one subject (e.g., weather) as the West's excellent Meteorological Abstracts and Bibliography. Abstracts of articles on mining and other purely practical engineering aspects of geology will be published in a separate series, according to a statement in the foreword of the first issue.

A statistical analysis of the coverage in the eight issues reviewed shows no particular emphasis on certain subjects. The series is extensive rather than intensive in its coverage.

Each issue of the series contains 30-60 annotations of dissertations defended in USSR institutions.

The average time lag between publication of an article and of its abstract is, as in the other series, 5-8 months. The first few issues of the geology-geography series abstracted some articles published 1 1/2 years before, but it was said that succeeding issues would keep up to date.

B. List of Abstractors and Their Specialities

Avsyuk G. A. (glaciology)
 Armengol T. (Africa and Latin America)
 Alekseyev Yu. B. (hydrology of land, oceanology, and dynamic meteorology)
 Baryshnikova O. G. (Asia outside of the USSR, and Australia)
 Bogorov V. G. (oceanology)
 Bushinskiy G. I. (lithology)
 Vlodavets V. I. (vulcanology)
 Voronov A. G. (biogeography)
 Gavrilova S. A. (geography)
 Genin I. A. (Near and Middle East, and Africa)
 Glazovskaya M. A. (geography of soils)
 Gokhman V. M. (North America and Latin America)
 Gromov V. I. (geology of Quaternary deposits)
 Kabanova Ye. S. (petrography, mineralogy, and geochemistry)
 Kamenskiy G. N. (hydrogeology)
 Kirillova I. V. (geophysics)
 Klebanova I. M. (stratigraphy and paleontology, and regional geology)
 Konzhukova N. D. (mineral deposits)
 Korsunskaya G. V. (geomorphology and biogeography)
 Kravchenko D. V. (geography of the USSR)
 Kropotkin P. N. (geophysics)
 Kuznetsova Ye. V. (regional geology)
 Kulagin G. D. (Europe)
 Kupletskaya E. M. (mineralogy)
 L'vovich M. I. (hydrology of land)
 Lyubimtseva Ye. A. (mineral deposits)
 Mayyegoyz I. M. (Europe)
 Malinovskiy V. Yu. (geology of Quaternary deposits)
 Medvedkov Yu. V. (USSR, North America, and Antarctic)
 Meshcheryakov Yu. A. (geomorphology)
 Naumov A. V. (cartography)
 Ostrovskiy I. A. (experimental mineralogy and petrography, and technical petrography)
 Perel'man A. I. (geochemistry)
 Petrov V. P. (petrography and nonmetal deposits)
 Petrushevskiy B. A. (geophysics)
 Popov I. V. (engineering geology)
 Popov K. M. (Southeast Asia, Australia, and Oceania)

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Raaben M. Ye. (petroleum and natural gases)
 Ryabtseva Z. G. (cartography and geography of soils)
 Saukov A. A. (geochemistry)
 Tolokonnikova A. A. (meteorology and climatology, and glaciology)
 Tugolesov D. A. (regional geology, and tectonics)
 Khromov S. P. (climatology and meteorology)
 Chepikov K. R. (petroleum and natural gases)
 Chekotillo A. M. (permafrost)
 Shobolov S. P. (nonmetal deposits)
 Shtreys N. A. (tectonics)
 Yablokov V. S. (coal, fuel shales, and peat)

C. List of USSR Serial Publications on Geology and Geography Not Known to Be Available

The following list was compiled from issues of the Referativnyy Zhurnal--Geologiya-Geografiya.

Abrazivy (Abrasives)

Byull. Vulkanolog. stantsii (Bulletin of the Vulcanology Station)

Byull. Komissii po izucheniyu chetvertich. perioda (Bulletin of the Commission on the Study of the Quaternary Period)

Byull. Pol'sk. Akad. Nauk, Otd. III (Bulletin of the Polish Academy of Sciences, III)

Botan. materialy Gerbaniya Botan. in-ta AN SSSR (Botanical Data of the Herbarium of the Botanical Institute, Academy of Sciences USSR)

Dokl. AN UzSSR (Reports of the Academy of Sciences Uzbek SSR; Uzbekistani resume)

Dokl. AN AzerbSSR (Reports of the Academy of Sciences Azerbaydzhan SSR)

Dokl. AN TadzhikSSR (Reports of the Academy of Sciences Tadzhik SSR)

Geologiya i mineralogiya (Geology and Mineralogy)

Gidrokhim. materialy (Hydrochemical Data)

Gidrotekhn. Str-vo (Hydrotechnical Constructions)

Geol. sbornik (Geological Symposium)

Izv. Krymskogo otd. Georg. ob-va SSSR (News of the Crimean Branch of the Geographical Society of the USSR)

Izv. AN UzSSR (News of the Academy of Sciences Uzbek SSR)

Izv. Tomskogo politekhn. in-ta (News of the Tomsk Polytechnical Institute)

Izv. AN Arm. SSR, biol. i s.-kh. nauki (News of the Academy of Sciences Armenian SSR, Biological and Agricultural Sciences)

Izv. AN BSSR (News of the Academy of Sciences Belorussian SSR; in Russian)

Izv. AN AzSSR (News of the Academy of Sciences Azerbaydzhan SSR)

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Izv. AN KazakhSSR, ser. gorn. dela, metallurg., stroymaterialov (News of the Academy of Sciences Kazakh SSR, Series Mining, Metallurgy, Constructional Materials)

Izv. AN TurkmenSSR (News of the Academy of Sciences Turkmen SSR)

Izv. Tbilis. n.-i. in-ta sooruzh. i gidroenergetiki (News of the Tbilisi Scientific Research Institute of Construction and Hydroelectric Power)

Izv. Otd. yestestv. nauk AN TadzhSSR (News of the Department of Natural Sciences of the Academy of Sciences Tadzhik SSR)

Izv. Fiz.-khim. n.-i. in-ta Irkut. un-ta (News of the Physicochemical Scientific Research Institute of Irkutsk University)

Kolyma (Kolyma)

Mineralog. sbornik L'vovsk. geol. o-va (Mineralogical Symposium of Lvov Geology Society)

Materialy po inzh. geologii (Data on Engineering Geology)

Materialy po labor. issledovaniyam merzlykh gruntov (Data on Laboratory Investigations on Frozen Grounds [Permafrost Studies])

Metsniyereba da tekhnika (Science and Technology; in Georgian)

Nauka i zhittya (Science and Life; in Ukrainian)

Nauchnaya sessiya LGU: Tezisy dokl. po seksii geogr. nauk (Scientific Sessions of Leningrad State University: Theses of Reports on the Section of Geographical Sciences)

Nauch. zap. Kiyevskogo un-ta (Scientific Notes of Kiev University)

Razvedka i okhrana nedra (Prospecting and Conservation of Resources)

Soobshch. AN GruzSSR (Communications of the Academy of Sciences Georgian SSR)

Sbornik nauch. rabot. In-ta melioratsii, vod. i bolot. kh-va AN USSR (Symposium of Scientific Works of the Institute of Land Improvement, and Water and Marsh Economy of the Academy of Sciences Ukrainian SSR)

Sbornik statey po kartografii (Symposium of Articles on Cartography)

Sbornik trudov Vses. n.-i. in-ta gidrotekhn. i san.-tekhn. rabot (Symposium of Works of the All-Union Scientific Research Institute of Hydrotechnical and Sanitary-Engineering Works)

Sbornik stud. nauch. rabot Rostovsk.-na-Donu un-ta (Symposium of Students' Scientific Works of Rostov University)

Shinzhlekha ukhaan (Science; in Mongolian)

Sbornik trudov Leningrad. gidromet. in-ta (Symposium of Works of Leningrad Hydrometeorological Institute)

Sbornik statey Vses. zaach. politekhn. in-ta (Symposium of Articles of the All-Union Correspondence Polytechnical Institute)

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Tezisy dokladov nauchnoy sessii AN GruzSSR, Tbilisi (Theses of Reports of the Scientific Session of the Academy of Sciences of Georgian SSR, Tbilisi)

Tr. Botan. in-ta AN ArmSSR (Works of the Botanical Institute of the Academy of Sciences Armenian SSR)

Tr. Labor. ozerovedeniya AN SSSR (Works of the Laboratory of Limnology, Academy of Sciences USSR)

Tr. Kazakhskogo n.-i. gidrometeorol. in-ta (Works of the Kazakh Scientific Research Hydrometeorological Institute)

Tr. Mosk. in-ta inzh. zemleustroystvo (Works of the Moscow Institute of Engineering Earth Construction)

Tr. In-ta geologii Kirgizskogo fil. AN SSSR (Works of the Institute of Geology of the Kirgiz Affiliate of Academy of Sciences USSR)

Tr. Labor. geologii dokembriy AN SSSR (Works of the Laboratory of Geology of the Pre-Cambrian, Academy of Sciences USSR)

Tr. Labor. vulkanol. AN SSSR (Works of the Laboratory of Vulcanology, Academy of Sciences USSR)

Tr. In-ta geologii AN UzbSSR (Works of the Institute of Geology, Academy of Sciences Uzbek SSR)

Tr. Konferentsii po geomorfologii Zakavkaz'ya, AN AzSSR, Baku (Works of the Conference on the Geomorphology of Transcaucasia, Academy of Sciences Azerbaydzhan SSR, Baku)

Tr. Irkutskogo un-ta (Works of Irkutsk University)

Tr. Tsentr. in-ta prognozov (Works of the Central Institute of Weather Forecasts)

Tr. Vses. n.-i. in-ta galurgii (Works of the All-Union Scientific Research Institute of Halurgy)

Tr. Gos. gidrol. in-ta (Works of the State Hydrological Institute)

Tr. Gl. geofiz. observatorii (Works of the Main Geophysical Observatory)

Tr. Mosk. torf. in-ta (Works of the Moscow Peat Institute)

Tr. Sredneaz. un-ta, geogr. n. (Works of the Central Asiatic University, Geographical Sciences)

Tr. Mosk. in-ta inzh. geodezii, aerofotos"yemki i kartografii (Works of the Moscow Institute of Engineering Geodesy, Aerial Photography, and Cartography)

Tr. Gorno-geol. in-ta Zapadno-Sibirskogo fil. AN SSSR (Works of the Mining Geological Institute of Western Siberian Affiliate of Academy of Sciences USSR)

Tr. Mineralogich. muzeya AN SSSR (Works of the Mineralogical Museum, Academy of Sciences USSR)

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Tr. Gorno-geol. in-ta, Ural'skogo fil. AN SSSR (Works of the Mining Geological Institute, Ural Affiliate of the Academy of Sciences USSR)

Tr. In-ta geol. nauk AN SSSR, petrografich. seriya (Works of the Institute of Geological Sciences, Academy of Sciences USSR, Petrographic Series)

Tr. Irkutskogo un-ta (Works of Irkutsk University)

Tr. Groznenskogo neft. in-ta (Works of the Grozny Petroleum Institute)

Tr. Mosk. fil. Vses. neft. geol.-razved. in-ta (Works of the Moscow Affiliate of the All-Union Petroleum Geological Prospecting Institute)

Tr. Komissii po izucheniyu chetvertich. period (Works of the Commission for the Study of the Quaternary Period)

Tr. Tomskogo un-ta, ser. geol. (Works of the Tomsk University, Geology Series)

Tr. In-ta zool. AN GruzSSR (Works of the Institute of Zoology, Academy of Sciences of Georgian SSR; in Georgian with Russian resume)

Tr. Botan. sada AN USSR (Works of the Botanical Garden, Academy of Sciences Ukrainian SSR)

Tr. Ukr. n.-i. gidrometeorol. in-ta (Works of the Ukrainian Scientific Research Hydrometeorological Institute)

Tr. In-ta matem. i mekhan. AN UzSSR (Works of the Institute of Mathematics and Mechanics, Academy of Sciences Uzbek SSR)

Tr. Vses. n.-i. in-ta solyanoy prom-sti (Works of the All-Union Scientific Research Institute of the Salt Industry)

Tr. Mosk. geol.-razved. in-ta (Works of the Moscow Geological Prospecting Institute)

Tr. Mongol'sk komissii AN SSSR (Works of the Mongolian Commission, Academy of Sciences USSR)

Uch. zap. Novozybkovskogo ped. in-ta (Scientific Notes of the Novozybkovo Pedagogic Institute)

Uch. zap. Kazansk. un-ta, Geologiya (Scientific Notes of Kazan University, Geology)

Uch. zap. Saratovskogo gos. un-ta, vyp. geol. (Scientific Notes of Saratov State University, Geology Issue)

Uch. zap. L'vovsk. un-ta, ser. geol. (Scientific Notes of Lvov University, Geology Series)

Voyenny vestnik (Military Herald)

Vesti AN BSSR (News of Academy of Sciences Belorussian SSR; in Belorussian)

Vopr. geografii Sibiri (Problems of Geography of Siberia)

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Vopr. gidrogeol. i inzh. geologii (Problems of Hydrogeology and Engineering Geology)

Vopr. kosmogonii (Problems of Cosmogony)

Vses. in-ta okhotn. promysla (All-Union Institute of Fur-Trapping Industry)

Vopr. osusheniya i osvoyeniya torfyanykh pochv Latviyskoy SSR (Problems of Drying and Exploitation of Peat Soils of Latvian SSR)

Zap. Amurskogo obl. muzeya krayevedeniya i Ob-va krayevedeniya (Notes of Amur Regional Museum of Kray Information and Society of Kray Information)

Zap. Uzbekistanskogo otd. Vses. mineralog. ob-va (Notes of the Uzbekistan Branch of the All-Union Mineralogical Society)

Zap. Leningrad. gorn. in-ta (Notes of the Leningrad Mining Institute)

Zametkipo faune i flore Sibirii (Notes on the Fauna and Flora of Siberia)

D. Classification of Geology Used in "Referativny Zhurnal"

1. General

Stratigraphy and paleontology (methods of investigation; pre-Cambrian; Paleozoic; Mesozoic; Cenozoic)

Quaternary deposits (general; stratigraphy; geochronology; geomorphology; loess and loess rocks; paleoanthropology and archaeology (paleoliths); biota)

Tectonics (general; methods; theories and hypotheses; structural geology; regional)

Sedimentary formations and lithology (general; methods; contemporary sedimentation; phases and paleogeography; diagenesis; sedimentary rocks; regional)

Vulcanology (general; methods; activities; products; regional)

2. Regional Geology

Geophysics applied to regional geology and geotectonics (origin and internal structure of the Earth; Earth's crust according to seismology and gravimetry; terrestrial magnetism and Earth's crust according to magnetometry)

Petrography of magmatic and metamorphic rocks (general; structural; petrochemistry; minerals; metamorphism; regional)

Mineralogy (general; handbooks and textbooks; methods; minerals; regional; deposits)

Experimental mineralogy and petrography; technical (engineering) petrography (physicochemical studies; synthesis; artificial rocks)

Geochemistry (general; methods; individual elements; distribution of isotopes; natural processes; absolute age; geochemical prospecting methods)

Mineral deposits (metals, nonmetals, fuels)

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Hydrogeology (general; methods; dynamics of underground waters; chemism of underground waters; individual countries and regions)

Engineering geology (general; grounds; natural processes; processes due to construction operations; preconstruction studies)

E. Classification of Geography Used in "Referativnyy Zhurnal"

The material on geography, the second half of the geology-geography series, is in three main divisions: (1) general geography (theory, history, personalia, societies, institutions, and cartography); (2) physical geography (geomorphology, meteorology and climatology, hydrology of land, glaciology and permafrost, soils, biogeography, and oceanology); and (3) geography of countries -- USSR, Satellite, and Western (nature, settlements, economy, demography, ethnography, history, expeditions, and travels).

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